Original/Duplicate/Triplicate EE/ELE/Y/BR.No 62/21-22

SBM No. 62/21-22
DATED 31-3-22

CONTRACT CERTIFICATE

No. 2nd & Final bill (For Other Works) Date.....2010 Dt. 31-3-22

Division: Electrical (yelahanka) Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-007-20-000056**

Schedule Docket No. Head of Account : P-CODE:0294 D.R.No. :

Name of Work:- Maintenance of Electrical Installations to BBMP division and sudivision buildings coming under Yelahanka.

Name of Contractor and Full Address: **M/s Jai Cab electricals**

Reference to Agreement No:EE(ele)/YZ/W.O/000007/2020-21 Date 10/06/2020

Supplymentry Work order No: EE(ele)/YZ/W.O/000009/2020-21 Date 01/02/2022

Certified that the measurements were taken by me on 19/3/22 and recorded of Pages 25706 to 7072 of measurement Book No. 2571/19-20 and that the work is satisfactorily executed.

For JAICAB ELECTRICALS

Contractor Proprietor

Officer-in-charge of work

Certified that the measurement were taken by me on 19/3/22 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Bill= 140683=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 1407=00
3)	" Balance	Lwcl% 1407=00
4)	Deduct Payment:	CBF0.1% 141=00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	Glstl% 1371=00
	b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Cstl 1% 1371=00
5)	Balance being unpaid value of work done held in reserve.	deductions= 5697=00
6)	Deduct cash advance made on the Office cash Book Voucher No... dated.....less adjustments.	unadjustments items - Cheque= 134986=00
7)	Net amount due to or from Contractor	
8)	Advance to Contractor for materials brought to site (as detailed) within	
9)	Value of Government materials supplied.	
		Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

For JAICAB ELECTRICALS

(For use in the Office) Proprietor

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

For JAICAB ELECTRICALS
Stamp
Proprietor

ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್

ರೂ: 140683=00 ಅಕ್ಷರದಲ್ಲಿ ಮಾಡಿ ಪೈಸೆರಿಪಿ

ರೂ: 134986=00 ಅಕ್ಷರದಲ್ಲಿ ನಿವ್ವಳ ಮೊತ್ತಕ್ಕಾಗಿ

ರೂ: 5697=00 ಕಡಿತಗಳಿಗಾಗಿ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

ಕಾ.ಪಾ.ಇ.(ವಿ.) ಮೇಲಿನಂತೆ ಪಾವತಿ ಮಾಡಲಾಗಿದೆ

Executive Engineer

Sl. No	Description	Unit
	Name Of Work:- Name of Work:- Maintenance of Electrical Installations to BBMP division and sub division buildings coming under Yelahanka	
1	Providing servicess of Electrician With tools , Rs.14021.27/Month/person, Rs.14021.27x26Days=539.27/Day/Person, Including E.S.I & PF, As per Go No KE/31/LMW/2017 Dated 28/4/2017	Per Day
2	Providing servicess of Helper (Electrical) Rs.12746.61/Month/person,Rs.12746.61x26Days = Rs.490.25/Day/Person .Including E.S.I & PF, As per Go No KE/31/LMW/2017 Dated 28/4/2017	Per Day
3	Filtering of oil in the transformer at the transformer center by hot process using "Stream line filter" such time the dielectric strength of the oil in the transformer conforms to ISI specification [Test certificate to be produced] KPWD SR ELE 2014-15	Litre
4	Supplying and Topping -up of new Transil OIL	Per Litre
5	Annual Maintenance of 180 KVA D.G. Set Existing A.M.C. including of labour charges only for replacing the spare parts and periodically checkup of D.G. AMF panel (Without operator)	Each
6	Fluorescent Tube a) 18 to 40Watts	Nos
7	20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes	Nos
8	Supply and fixing of 230 volts 20/40/watts starter for Fluorescent lamp	Nos
9	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing 900mm	Nos
10	Regular Switches (Flush type) 1) 6 amps S.P. switch	Nos
11	6Amps 3 way 5 pin Socket	Nos
12	16 amps S.P. switch –2)	Nos
13	16 amps 3 way 5 pin socket–	Nos
14	16 amps 3 pin top –,	Nos
15	32 amps Bakelite DP	Nos
16	16/6 Amps Combined plug & socket with control switch	Nos
17	Condenser for Ceiling Fan/MV/SV/MH and other Luminaries upto 4 mfd.	Nos
18	Supplying and replacing ceiling fan regulator 900mm to 1500mm.	Nos
19	Miniature Circuit Breakers 6-32 amps S.P.	Nos
20	6-32 amps D.P.	Nos
21	50-63 amps TPN:	Nos
22	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance sihgle core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 sq.mm	Mtrs
23	2.5 sq.mm	Mtrs
24	Supplying and fixing of T5 Fluorescent Tube with 14W power consumption with low 3mg Mercury content & below 40% glass content than T8 lamp & 20% less phosphor coating than T8 with initial lumen on 1350 (for 3000-6500 deg Kelvin), rated Avg life (12 Hr. Cycle) of greater than 35000 burring hours. Operating voltage range from 180V to 265V, 50Hz AC power Supply28 watts Lamp	Nos
25	LED Batten with Tube LED light fighting 2 x 4' - 20 /22 w	Nos
26	LED Down Light 3) 15-18W	Nos
27	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system. 1) 48" Sweep (1200mm) Regular Model	Nos
28	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders	Nos

Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Qty	Cost	Qty	Rate	Amount	Qty	Cost	
Per Day	230	124032.1	60	539.27	32356.20	290	156388.30	
Per Day	230	112757.5	60	490.25	29415.00	290	142172.50	
Litre	0	0	0	20.00	0.00	0	0.00	
Per Litre	0	0	0	170.00	0.00	0	0.00	
Each	0	0	0	44000.00	0.00	0	0.00	
Nos	125	6250	122	50.00	6100.00	247	12350.00	
Nos	70	11550	34	165.00	5610.00	104	17160.00	
Nos	70	2170	60	31.00	1860.00	130	4030.00	
Nos	10	5120	10	512.00	5120.00	20	10240.00	
Nos	30	345	19	11.50	218.50	49	563.50	
Nos	35	1085	10	31.00	310.00	45	1395.00	
Nos	25	1700	9	68.00	612.00	34	2312.00	
Nos	30	1290	9	43.00	387.00	39	1677.00	
Nos	10	550	8	55.00	440.00	18	990.00	
Nos	15	1876.05	9	125.07	1125.63	24	3001.68	
Nos	15	3318	5	221.20	1106.00	20	4424.00	
Nos	25	1710	13	68.40	889.20	38	2599.20	
Nos	10	1720	5	172.00	860.00	15	2580.00	
Nos	10	2604	0	260.40	0.00	10	2604.00	
Nos	4	2181.6	0	545.40	0.00	4	2181.60	
Nos	2	2876.4	0	1438.20	0.00	2	2876.40	
Mtrs	120	2460	98	20.50	2009.00	218	4469.00	
Mtrs	150	4800	95	32.00	3040.00	245	7840.00	
Nos	6	948	10	158.00	1580.00	16	2528.00	
Nos	8	4536	14	567.00	7938.00	22	12474.00	
Nos	12	21000	0	1750.00	0.00	12	21000.00	
Nos	5	1450	0	290.00	0.00	5	1450.00	
Nos	25	2500	14	100.00	1400.00	39	3900.00	

29	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Nos
30	Supplying and installation of insulated refrigerant copper tubing of 5/8`` and 3/8`` with polythene foam insulation 3 core 80 stand copper wiring between indoor and outdoor unit. Leak testing oil and gas charging for additional piping length of tube..Split	Mtrs
31	Supply and fixing of condensing coil for Split Air Conditioners.2 ton capacity	Nos
32	Supplying and fixing the fan motor for blowers and condenser of 1/5 HP, single shaft/double shaft suitable for split / window air conditioners.	Nos
33	Supplying & fixing relay for over load protection for window and split air conditioners	Nos
34	Supplying wall mounting fan suitable to operate at single- phase 230v A.C. supply..400mm Sweep	Nos
35	Moulded Case Circuit Breaker (MCCB) 100 Amps 25 kA,	Each
36	4 Pole Power Contactor with NO/NC Contactor100 to 125Amps	Each
37	PVC Flexible One Pair Telephone Unarmoured Tinned Copper Cable.5Pair	Mtrs
38	Supplying, installation, testing & commissioning of 12Volts ..AH batteries in poly propylene container for D.G. sets. Low maintenance batteries, plate type. 120 AH capacity. Acid batteries.	Nos
39	Supplying & Changing of B Check Kit for Engine.	Nos
40	Supplying & Changing of Alternator AVR.(Automatic Voltage Regulator)	Nos
41	Supplying & Changing of Alternator Rectifier	Nos
42	Supplying & Changing of Dynamo repair Kit such as Corbons, Bearings & Diode Etc,.	Nos
43	Supplying & Changing of Batery terminals	Nos
44	Supplying & Fixing of Air filter	Nos
45	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm40/6.4.4	Mtrs
46	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. On wall /Structure 6 sqmm to 16 sqmm	Mtr
47	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs
48	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete..16SWG KPWD ELE SR Page-30/5.42.2	sq.cms
49	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.6 sqmm 6/2.3.3	Mtr
	Total Rs	
	Add GSt 12 % On item No 6 to 49 Rs (1,83,980.05 & 44480.00)	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

10	1450	0	145.00	0.00	10	1450.00	
20	23000	0	1150.00	0.00	20	23000.00	
2	16400	0	8200.00	0.00	2	16400.00	
2	6360	0	3180.00	0.00	2	6360.00	
5	1750	0	350.00	0.00	5	1750.00	
5	14000	0	2800.00	0.00	5	14000.00	
0	0	2	3840.00	7680.00	2	7680.00	
0	0	2	4320.00	8640.00	2	8640.00	
198	6930	0	35.00	0.00	198	6930.00	
0	0	1	18400.00	18400.00	1	18400.00	
0	0	0	3150.00	0.00	0	0.00	
0	0	0	9400.00	0.00	0	0.00	
0	0	0	2800.00	0.00	0	0.00	
0	0	0	3100.00	0.00	0	0.00	
0	0	0	260.00	0.00	0	0.00	
0	0	0	2880.00	0.00	0	0.00	
79	11850	0	150.00	0.00	79	11850.00	
79	2370	0	30.00	0.00	79	2370.00	
50	3500	0	70.00	0.00	50	3500.00	
25000	7500	0	0.30	0.00	25000	7500.00	
69	4830	0	70.00	0.00	69	4830.00	
	420769.65			**137096.53**		**557866.18**	
29890.00	22077.6			3586.80		25664.40	
	442847.25			**140683.33**		**583530.58**	